

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A radiation detector comprising:
 - an electrode structure;
 - a planarising layer being disposed over the electrode structure; and
 - a protective stack which covers the planarising layer, wherein the protective stack has a moisture resistant layer and a conversion layer, wherein the conversion layer converts incident radiation into secondary radiation, and wherein the moisture resistant layer is positioned between the conversion layer and the planarising layer, wherein the electrode structure and the planarising layer are positioned along a substrate that is substantially flat, and wherein the planarising layer is in direct contact with the electrode structure and the substrate.
2. (Original) A radiation detector as claimed in claim 1, wherein the planarising layer is formed as a polymer layer.
3. (Previously Presented) A radiation detector as claimed in claim 1, wherein the protective stack includes an outer cover.
4. (Previously Presented) A radiation detector as claimed in claim 1, wherein the conversion layer is a scintillation layer formed of columnar crystals.
5. (Previously Presented) A radiation detector as claimed in claim 4, wherein the scintillation layer is formed from CsI:TI.

6. (Currently Amended) An electronic device comprising:

- a substrate;
- an electrode structure disposed on the substrate;
- a planarising layer being disposed over the electrode structure and substrate;

and

a protective stack which covers the planarising layer, wherein the protective stack has a moisture resistant layer and a conversion layer, wherein the conversion layer converts incident radiation into secondary radiation, wherein the moisture resistant layer is positioned between the conversion layer and the planarising layer, wherein the conversion layer is in direct contact with the moisture resistant layer, and wherein the substrate is substantially flat.

7. (Previously Presented) The electronic device of claim 6, wherein the planarising layer is formed as a polymer layer.

8. (Currently Amended) An electronic device comprising:

- a substrate;
- an electrode structure disposed on the substrate;
- a planarising layer being disposed over the electrode structure and substrate;

and

a protective stack which covers the planarising layer, wherein the protective stack has a moisture resistant layer and a conversion layer, wherein the conversion layer converts incident radiation into secondary radiation, wherein the moisture resistant layer is positioned between the conversion layer and the planarising layer, wherein the substrate is substantially flat~~The electronic device of claim 6, and~~ wherein the protective stack includes an outer cover.

9. (Previously Presented) The electronic device of claim 6, wherein the conversion layer is a scintillation layer formed of columnar crystals.

10. (Previously Presented) The electronic device of claim 9, wherein the scintillation layer is formed from CsI:TI.

11. (Cancelled)

12. (Previously Presented) The electronic device of claim 6, wherein the moisture resistant layer is in direct contact with the planarising layer.

13. (Previously Presented) The electronic device of claim 6, wherein the planarising layer is in direct contact with the electrode structure and the substrate, and wherein the planarising layer is a polymer layer.

14. (Cancelled)

15. (Previously Presented) The radiation detector of claim 1, wherein the moisture resistant layer is in direct contact with the planarising layer.

16. (Cancelled)

17. (Cancelled)

18. (Currently Amended) The radiation detector of claim 17, wherein the planarising layer is a polymer layer.